

Gregory, Bernarr

From: PLUS
Sent: Thursday, February 10, 2005 2:08 PM
To: Gregory, Bernarr
Subject: PLUS Results for 10761014

Here are the PLUS search results for 10761014.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10761014_QUAL
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10761014_LIST.
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10761014_WES
T.txt



10761014_EAST
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10761014.east



10761014_CLS.t
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10761014_CLST 10761014_WDS.
ITLES.txt



txt

10761014_QUAL.txt

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PLUS Search Results for S/N 10761014, Searched February 10, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10761014_CLS.txt
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10761014 on February 10, 2005

Original Classifications

15	331/1A
15	455/76
14	331/16
11	708/276
10	331/2
7	331/18
7	331/4
7	375/308
6	327/105
6	708/271
5	327/106
5	375/376
4	327/107
4	331/1R
4	331/25
4	332/103
3	331/17
3	332/100
3	332/117
3	342/22
3	348/731
3	375/326
3	375/344
3	375/373
3	455/260
2	73/19.03
2	324/309
2	324/613
2	324/76.27
2	324/76.33
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2	455/182.3

Cross-Reference Classifications

61	331/25
25	327/105
25	455/260
21	331/17
21	375/376

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 8 332/103
 8 708/271
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10761014_CLS.txt

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 31 327/105
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 26 331/1A
 26 375/376
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2 324/76.43
2 324/76.53
2 327/117
2 327/119
2 327/12
2 327/158
2 327/231
2 327/9
2 329/306
2 329/323
2 331/107SL
2 331/117D
2 331/12
2 331/158
2 331/175
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2 332/104
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2 342/27
2 348/732
2 360/51
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2 455/126
2 455/164.2
2 455/182.1
2 455/192.3
2 455/208
2 455/226.1
2 455/264
2 455/265
2 455/3.02
2 455/304
2 455/310
2 455/42
2 455/67.13
2 455/75
2 455/77
2 455/84
2 702/69
2 702/75
2 708/272
2 725/68

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10761014 on February 10, 2005

65	331/25	(4 OR, 61 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE OR FREQUENCY SENSING MEANS
	331/18	.With reference oscillator or source
	331/25	..Signal or phase comparator
34	331/16	(14 OR, 20 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE OR FREQUENCY SENSING MEANS
	331/16	.Tuning compensation
34	455/76	(15 OR, 19 XR)
	Class 455 :	TELECOMMUNICATIONS
	455/73	TRANSMITTER AND RECEIVER AT SAME STATION (E.G., TRANSCEIVER)
	455/75	.With frequency stabilization (e.g., automatic frequency control)
	455/76	..Synthesizer
31	327/105	(6 OR, 25 XR)
	Class 327 :	MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
	327/100	SIGNAL CONVERTING, SHAPING, OR GENERATING
	327/105	.Synthesizer
28	455/260	(3 OR, 25 XR)
	Class 455 :	TELECOMMUNICATIONS
	455/130	RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
	455/230	.Local control of receiver operation
	455/255	..Local oscillator frequency control
	455/257	...Automatic
	455/258Utilizing particular local oscillator control
	455/259Reference oscillator or source
	455/260Phase lock loop or frequency synthesizer
26	331/1A	(15 OR, 11 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE OR FREQUENCY SENSING MEANS
	331/1A	.AFC with logic elements
26	375/376	(5 OR, 21 XR)
	Class 375 :	PULSE OR DIGITAL COMMUNICATIONS
	375/354	SYNCHRONIZERS
	375/371	.Phase displacement, slip or jitter correction
	375/373	..Phase locking
	375/376	...Phase locked loop
25	331/18	(7 OR, 18 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE OR FREQUENCY SENSING MEANS
	331/18	.With reference oscillator or source

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- 25 708/276 (11 OR, 14 XR)
 Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
 AND CALCULATING
 708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER
 708/200 .Particular function performed
 708/270 ..Function generation
 708/276 ...Trigonometric
- 24 331/17 (3 OR, 21 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/17 .Particular error voltage control (e.g.,
 integrating network)
- 22 327/106 (5 OR, 17 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/105 .Synthesizer
 327/106 ..Having stored waveform data (e.g., in ROM,
 etc.)
- 20 327/107 (4 OR, 16 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/105 .Synthesizer
 327/107 ..Having digital device (e.g., logic gate,
 flip-flop, etc.)
- 16 331/2 (10 OR, 6 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/2 .Plural oscillators controlled
- 16 375/308 (7 OR, 9 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 .Angle modulation
 375/308 ..Phase shift keying
- 14 332/127 (1 OR, 13 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR
 332/123 .Including stabilization or alternatively
 distortion, noise or other interference prevention,
 reduction, or compensation
 332/126 ..Automatic frequency stabilization or control
 332/127 ...Phase or frequency locked loop
- 14 708/271 (6 OR, 8 XR)
 Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
 AND CALCULATING
 708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER
 708/200 .Particular function performed
 708/270 ..Function generation
 708/271 ...Direct digital frequency synthesizer
- 13 331/4 (7 OR, 6 XR)

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Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/4 .Search sweep of oscillator

12 327/156 (2 OR, 10 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/141 .Synchronizing
 327/155 ..With feedback
 327/156 ...Phase lock loop

12 332/103 (4 OR, 8 XR)
 Class 332 : MODULATORS
 332/103 PHASE SHIFT KEYING MODULATOR OR QUADRATURE
 AMPLITUDE MODULATOR

11 455/183.1 (1 OR, 10 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/183.1 ...With frequency synthesizer

10 332/144 (0 OR, 10 XR)
 Class 332 : MODULATORS
 332/144 PHASE MODULATOR

9 331/14 (2 OR, 7 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/14 .With intermittent comparison controls

9 331/23 (1 OR, 8 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/18 .With reference oscillator or source
 331/23 ..Sensing modulation (e.g., frequency
 modulation controlled oscillator

9 332/128 (2 OR, 7 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR
 332/123 .Including stabilization or alternatively
 distortion, noise or other interference prevention,
 reduction, or compensation
 332/126 ..Automatic frequency stabilization or control
 332/127 ...Phase or frequency locked loop
 332/128Modulating signal applied to plural
 elements of the loop

7 331/10 (2 OR, 5 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/10 .Plural A.F.S. for a single oscillator

- 7 331/19 (0 OR, 7 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/18 ..With reference oscillator or source
 331/19 ..Spectrum reference source
- 7 375/344 (3 OR, 4 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/344 ..Automatic frequency control
- 7 455/113 (0 OR, 7 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/110 ..Angle modulation
 455/113 ..With frequency control
- 6 324/76.27 (2 OR, 4 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.12 ..Analysis of complex waves
 324/76.19 ..Frequency spectrum analyzer
 324/76.26 ...Scanning-panoramic receiver
 324/76.27 With particular sweep circuit
- 6 327/159 (0 OR, 6 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/141 ..Synchronizing
 327/155 ..With feedback
 327/156 ...Phase lock loop
 327/159 With digital element
- 6 331/178 (0 OR, 6 XR)
 Class 331 : OSCILLATORS
 331/177R WITH FREQUENCY ADJUSTING MEANS
 331/178 ..Cyclic frequency sweeping means (e.g.,
 vibrato)
- 6 331/1R (4 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
- 6 331/34 (0 OR, 6 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/34 ..Particular frequency control means
- 6 375/303 (0 OR, 6 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 ..Angle modulation
 375/303 ..Frequency shift keying
- 6 375/327 (1 OR, 5 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/322 ..Angle modulation

375/324 ..Particular demodulator
 375/327 ...Phase locked loop

6 375/373 (3 OR, 3 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction

 375/373 ..Phase locking

6 455/119 (1 OR, 5 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/119 .Carrier frequency stabilization

6 708/270 (1 OR, 5 XR)
 Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
 AND CALCULATING
 708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER
 708/200 .Particular function performed
 708/270 ..Function generation

5 324/76.23 (0 OR, 5 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.12 .Analysis of complex waves
 324/76.19 ..Frequency spectrum analyzer
 324/76.23 ...With mixer

5 329/304 (1 OR, 4 XR)
 Class 329 : DEMODULATORS
 329/304 PHASE SHIFT KEYING OR QUADRATURE AMPLITUDE
 DEMODULATOR

5 331/179 (0 OR, 5 XR)
 Class 331 : OSCILLATORS
 331/177R WITH FREQUENCY ADJUSTING MEANS
 331/179 .Step-frequency change (e.g., band selection,
 frequency-shift keying)

5 331/40 (1 OR, 4 XR)
 Class 331 : OSCILLATORS
 331/37 BEAT FREQUENCY
 331/40 .Frequency or amplitude adjustment or control

5 331/DIG 2 (0 OR, 5 XR)
 Class 331 : OSCILLATORS
 331/DIG 2 Phase locked loop having lock indicating or
 detecting means

5 348/735 (1 OR, 4 XR)
 Class 348 : TELEVISION
 348/725 RECEIVER CIRCUITRY
 348/735 .Automatic frequency control

5 375/329 (1 OR, 4 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/322 .Angle modulation
 375/329 ..Phase shift keying

- 5 375/371 (0 OR, 5 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction
- 5 455/110 (1 OR, 4 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/110 .Angle modulation
- 5 455/118 (0 OR, 5 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/118 .Frequency conversion
- 5 455/165.1 (0 OR, 5 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/161.1 ..Frequency scanning
 455/165.1 ...With frequency synthesizer
- 5 455/183.2 (1 OR, 4 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..channel or station selection
 455/183.1 ...With frequency synthesizer
 455/183.2Processor controlled
- 5 455/315 (1 OR, 4 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/313 .Frequency modifying or conversion
 455/314 ..Plural separate successive conversions
 455/315 ...With plural separate local oscillators
- 4 327/157 (0 OR, 4 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/141 .Synchronizing
 327/155 ..With feedback
 327/156 ...Phase lock loop
 327/157With charge pump
- 4 331/27 (0 OR, 4 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/18 .With reference oscillator or source
 331/25 ..Signal or phase comparator
 331/27 ...Plural active element (e.g., triodes)
- 4 331/36C (0 OR, 4 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE

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OR FREQUENCY SENSING MEANS

331/34 .Particular frequency control means
331/36R ..Reactance device (e.g., variable capacitors,
saturable inductors, reactance tubes, etc.)
331/36C ...Capacitor controlled AFC

4 332/101 (2 OR, 2 XR)
Class 332 : MODULATORS
332/100 FREQUENCY SHIFT KEYING MODULATOR OR MINIMUM
SHIFT KEYING MODULATOR
332/101 .Including logic element (e.g., logic gate or
flip-flop)

4 332/117 (3 OR, 1 XR)
Class 332 : MODULATORS
332/117 FREQUENCY MODULATOR

4 332/119 (1 OR, 3 XR)
Class 332 : MODULATORS
332/117 FREQUENCY MODULATOR
332/119 .Plural modulation

4 348/731 (3 OR, 1 XR)
Class 348 : TELEVISION
348/725 RECEIVER CIRCUITRY
348/731 .Tuning

4 375/326 (3 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/316 RECEIVERS
375/322 .Angle modulation
375/324 ..Particular demodulator
375/326 ...Carrier recovery circuit or carrier tracking

4 375/345 (0 OR, 4 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/316 RECEIVERS
375/345 .Automatic gain control

4 375/375 (1 OR, 3 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/354 SYNCHRONIZERS
375/371 .Phase displacement, slip or jitter correction

375/373 ..Phase locking
375/375 ...With frequency detector and phase detector

4 377/48 (1 OR, 3 XR)
Class 377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
SHIFT REGISTERS: CIRCUITS AND SYSTEMS
377/27 SYSTEMS
377/47 .Pulse multiplication or division
377/48 ..Multiplication or division by a fraction

4 455/112 (0 OR, 4 XR)
Class 455 : TELECOMMUNICATIONS
455/91 TRANSMITTER
455/110 .Angle modulation
455/112 ..With frequency multiplication or division

4 455/12.1 (1 OR, 3 XR)

- Class 455 : TELECOMMUNICATIONS
 455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E.,
 RETRANSMISSION OF SAME INFORMATION)
 455/11.1 .Portable or mobile repeater
 455/12.1 ..Space satellite
- 4 455/182.2 (2 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/182.1 ...With frequency control
 455/182.2Automatic (AFC)
- 4 455/182.3 (2 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/182.3 ...Fine tuning
- 4 455/192.2 (0 OR, 4 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/192.1 ..With frequency control
 455/192.2 ...Automatic (AFC)
- 4 455/209 (1 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/205 .Frequency or phase modulation
 455/208 ..With synchronized or controlled local
 oscillator
 455/209 ...Plural local oscillators or mixers
- 4 455/87 (0 OR, 4 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
 TRANSCEIVER)
 455/84 .With a common signal processing stage
 455/86 ..Transmitter oscillator used as local
 oscillator
 455/87 ...Tunable or variable
- 3 324/76.19 (1 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.12 .Analysis of complex waves
 324/76.19 ..Frequency spectrum analyzer
- 3 327/113 (0 OR, 3 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING

- 327/113 .Frequency or repetition rate conversion or control
- 3 327/115 (0 OR, 3 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/113 .Frequency or repetition rate conversion or control
 327/114 ..of output rectangular waveform
 327/115 ...Frequency division
- 3 327/129 (0 OR, 3 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/129 .Generating sinusoidal output
- 3 327/147 (0 OR, 3 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/141 .Synchronizing
 327/144 ..Using multiple clocks
 327/146 ...With feedback
 327/147Phase lock loop
- 3 327/551 (0 OR, 3 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
 327/524 SPECIFIC IDENTIFIABLE DEVICE, CIRCUIT, OR SYSTEM
 327/551 .Unwanted signal suppression
- 3 327/7 (1 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
 327/1 SPECIFIC SIGNAL DISCRIMINATING (E.G., COMPARING, SELECTING, ETC.) WITHOUT SUBSEQUENT CONTROL
 327/2 .By phase
 327/3 ..Comparison between plural inputs (e.g., phase angle indication, lead-lag discriminator, etc.)
 327/7 ...With reference signal
- 3 331/11 (2 OR, 1 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE OR FREQUENCY SENSING MEANS
 331/10 .Plural A.F.S. for a single oscillator
 331/11 ..Plural comparators or discriminators
- 3 331/176 (1 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/175 FREQUENCY STABILIZATION
 331/176 .Temperature or current responsive means in circuit
- 3 331/177R (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/177R WITH FREQUENCY ADJUSTING MEANS
- 3 331/177V (0 OR, 3 XR)

- Class 331 : OSCILLATORS
 331/177R WITH FREQUENCY ADJUSTING MEANS
 331/177V .With voltage sensitive capacitor
- 3 331/30 (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/30 .With stable heterodyne oscillator or source
- 3 331/31 (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/30 .With stable heterodyne oscillator or source
 331/31 ..Plural significant heterodyne stages
- 3 331/43 (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/37 BEAT FREQUENCY
 331/42 .With particular signal combining means (e.g.,
 cavity mixer)
 331/43 ..With filter in mixer output circuit
- 3 331/66 (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/65 WITH DEVICE RESPONSIVE TO EXTERNAL PHYSICAL
 CONDITION
 331/66 .Temperature or light responsive
- 3 331/96 (2 OR, 1 XR)
 Class 331 : OSCILLATORS
 331/96 WITH DISTRIBUTED PARAMETER RESONATOR
- 3 332/100 (3 OR, 0 XR)
 Class 332 : MODULATORS
 332/100 FREQUENCY SHIFT KEYING MODULATOR OR MINIMUM
 SHIFT KEYING MODULATOR
- 3 332/123 (1 OR, 2 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR
 332/123 .Including stabilization or alternatively
 distortion, noise or other interference prevention,
 reduction, or compensation
- 3 332/124 (1 OR, 2 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR
 332/123 .Including stabilization or alternatively
 distortion, noise or other interference prevention,
 reduction, or compensation
 332/124 ..Nonlinearity reduction or compensation
- 3 342/118 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
- 3 342/175 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT

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- 3 342/195 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/195 .Digital processing

- 3 342/202 (2 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/202 .For pulse modulation

- 3 342/22 (3 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/22 TRANSMISSION THROUGH MEDIA OTHER THAN AIR OR
 FREE SPACE

- 3 370/516 (1 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/498 .Combining or distributing information via time
 channels
 370/503 ..Synchronizing
 370/516 ...Adjusting for phase or jitter

- 3 375/146 (1 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/130 SPREAD SPECTRUM
 375/140 .Direct sequence
 375/146 ..Transmitter

- 3 375/216 (0 OR, 3 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/216 APPARATUS CONVERTIBLE TO ANALOG

- 3 375/222 (2 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/219 TRANSCEIVERS
 375/222 .Modems (data sets)

- 3 375/271 (0 OR, 3 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

 375/271 .Angle modulation

- 3 375/272 (0 OR, 3 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

 375/271 .Angle modulation
 375/272 ..Frequency shift keying

- 3 375/279 (0 OR, 3 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

 375/271 .Angle modulation
 375/279 ..Phase shift keying

- 3 375/296 (2 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/296 .Antinoise or distortion (includes
 predistortion)
- 3 375/377 (2 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/377 MISCELLANEOUS
- 3 455/316 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/313 .Frequency modifying or conversion
 455/314 ..Plural separate successive conversions
 455/315 ...With plural separate local oscillators
 455/316With frequency stabilization for at least
 one local oscillator
- 3 455/324 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/313 .Frequency modifying or conversion
 455/323 ..Particular frequency conversion structure or
 circuitry
 455/324 ...Homodyne (i.e., zero beat or synchrodyne
 reception)
- 3 455/67.16 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
 455/67.11 .Having measuring, testing, or monitoring of
 system or part
 455/67.16 ..Phase measuring (e.g., group delay,
 propagation effect, etc.)
- 3 455/71 (0 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
 455/68 .With control signal
 455/70 ..Receiver control signal originates at message
 transmitter
 455/71 ...Frequency control
- 3 455/86 (1 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
 TRANSCEIVER)
 455/84 .With a common signal processing stage
 455/86 ..Transmitter oscillator used as local
 oscillator
- 3 708/313 (1 OR, 2 XR)
 Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
 AND CALCULATING
 708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER
 708/200 .Particular function performed
 708/300 ..Filtering
 708/313 ...Decimation/interpolation

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- 2 73/19.03 (2 OR, 0 XR)
 Class 073 : MEASURING AND TESTING
 73/19.01 GAS CONTENT OF A LIQUID OR A SOLID
 73/19.03 .By vibration

- 2 73/632 (0 OR, 2 XR)
 Class 073 : MEASURING AND TESTING
 73/570 VIBRATION
 73/584 .By mechanical waves
 73/596 ..Beamed
 73/632 ...Sonic wave transmitter or receiver
 transducer

- 2 73/866.5 (0 OR, 2 XR)
 Class 073 : MEASURING AND TESTING
 73/866.5 PROBE OR PROBE MOUNTING

- 2 324/307 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/300 PARTICLE PRECESSION RESONANCE
 324/307 .Using a nuclear resonance spectrometer system

- 2 324/309 (2 OR, 0 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/300 PARTICLE PRECESSION RESONANCE
 324/307 .Using a nuclear resonance spectrometer system

 324/309 ..To obtain localized resonance within a sample

- 2 324/314 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/300 PARTICLE PRECESSION RESONANCE
 324/307 .Using a nuclear resonance spectrometer system

 324/314 ..With conditioning of transmitter signal

- 2 324/326 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/323 OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
 324/326 .For small object detection or location

- 2 324/332 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/323 OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
 324/332 .With radiant energy or nonconductive-type
 transmitter

- 2 324/344 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/323 OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
 324/344 .With radiant energy or nonconductive-type
 receiver

- 2 324/613 (2 OR, 0 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES
 REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE
 RELATIONSHIPS
 324/612 .Parameter related to the reproduction or
 fidelity of a signal affected by a circuit under test

- 324/613 ..Noise
- 2 324/76.12 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.12 .Analysis of complex waves
- 2 324/76.33 (2 OR, 0 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.12 .Analysis of complex waves
 324/76.19 ..Frequency spectrum analyzer
 324/77.11 ...Nonscanning
 324/76.33 Correlation
- 2 324/76.35 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.12 .Analysis of complex waves
 324/76.19 ..Frequency spectrum analyzer
 324/77.11 ...Nonscanning
 324/76.35 With delay line
- 2 324/76.43 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.39 .Frequency of cyclic current or voltage (e.g.,
 cyclic counting etc.)
 324/76.41 ..Frequency comparison, (e.g., heterodyne,
 etc.)
 324/76.43 ...With plural mixers
- 2 324/76.53 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.39 .Frequency of cyclic current or voltage (e.g.,
 cyclic counting etc.)
 324/76.52 ..By phase comparison
 324/76.53 ...With phase lock
- 2 327/117 (0 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/113 .Frequency or repetition rate conversion or
 control
 327/117 ..Frequency division
- 2 327/119 (0 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/113 .Frequency or repetition rate conversion or
 control
 327/119 ..Frequency multiplication (e.g., harmonic
 generation, etc.)
- 2 327/12 (1 OR, 1 XR)

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Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
            DEVICES, CIRCUITS, AND SYSTEMS
327/1      SPECIFIC SIGNAL DISCRIMINATING (E.G.,
            COMPARING, SELECTING, ETC.) WITHOUT SUBSEQUENT CONTROL

327/2      .By phase
327/3      ..Comparison between plural inputs (e.g., phase
            angle indication, lead-lag discriminator, etc.)
327/12     ...With logic or bistable circuit

2 327/158   (1 OR, 1 XR)
Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
            DEVICES, CIRCUITS, AND SYSTEMS
327/100    SIGNAL CONVERTING, SHAPING, OR GENERATING
327/141    .Synchronizing
327/155    ..With feedback
327/156    ...Phase lock loop
327/158    ....With variable delay means

2 327/231   (0 OR, 2 XR)
Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
            DEVICES, CIRCUITS, AND SYSTEMS
327/100    SIGNAL CONVERTING, SHAPING, OR GENERATING
327/231    .Phase shift by less than period of input

2 327/9     (0 OR, 2 XR)
Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
            DEVICES, CIRCUITS, AND SYSTEMS
327/1      SPECIFIC SIGNAL DISCRIMINATING (E.G.,
            COMPARING, SELECTING, ETC.) WITHOUT SUBSEQUENT
CONTROL
327/2      .By phase
327/3      ..Comparison between plural inputs (e.g., phase
            angle indication, lead-lag discriminator, etc.)
327/7      ...With reference signal
327/9      ....With sampling

2 329/306   (0 OR, 2 XR)
Class 329 : DEMODULATORS
329/304     PHASE SHIFT KEYING OR QUADRATURE AMPLITUDE
            DEMODULATOR
329/306     .Input signal combined with local oscillator or
            carrier frequency signal

2 329/323   (0 OR, 2 XR)
Class 329 : DEMODULATORS
329/315     FREQUENCY MODULATION DEMODULATOR
329/323     .Input signal combined with local oscillator or
            carrier frequency signal

2 331/107SL (1 OR, 1 XR)
Class 331 : OSCILLATORS
331/107R    SOLID STATE ACTIVE ELEMENT OSCILLATOR
331/107DP    .Significant distributed parameter resonator
            (e.g., cavity)
331/107SL    ..Stripline type

2 331/117D   (0 OR, 2 XR)
Class 331 : OSCILLATORS
331/107R    SOLID STATE ACTIVE ELEMENT OSCILLATOR
331/108R    .Transistors
331/117R    ..L-C type
331/117D    ...Distributed parameter resonator transistor

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oscillators

2	331/12	(0 OR, 2 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
		OR FREQUENCY SENSING MEANS
	331/10	.Plural A.F.S. for a single oscillator
	331/11	..Plural comparators or discriminators
	331/12	...With phase-shifted inputs
2	331/158	(0 OR, 2 XR)
	Class 331 :	OSCILLATORS
	331/154	ELECTROMECHANICAL RESONATOR
	331/158	.Crystal
2	331/175	(0 OR, 2 XR)
	Class 331 :	OSCILLATORS
	331/175	FREQUENCY STABILIZATION
2	331/22	(0 OR, 2 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
		OR FREQUENCY SENSING MEANS
	331/18	.With reference oscillator or source
	331/22	..Plural significant heterodyne stages
2	331/3	(2 OR, 0 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
		OR FREQUENCY SENSING MEANS
	331/3	.Molecular resonance stabilization
2	331/37	(1 OR, 1 XR)
	Class 331 :	OSCILLATORS
	331/37	BEAT FREQUENCY
2	331/38	(0 OR, 2 XR)
	Class 331 :	OSCILLATORS
	331/37	BEAT FREQUENCY
	331/38	.Plural beating
2	331/41	(1 OR, 1 XR)
	Class 331 :	OSCILLATORS
	331/37	BEAT FREQUENCY
	331/41	.Frequency stabilization
2	331/47	(0 OR, 2 XR)
	Class 331 :	OSCILLATORS
	331/46	PLURAL OSCILLATORS
	331/47	.Oscillator used to vary amplitude or frequency
		of another oscillator
2	331/56	(0 OR, 2 XR)
	Class 331 :	OSCILLATORS
	331/46	PLURAL OSCILLATORS
	331/56	.Parallel connected
2	331/74	(0 OR, 2 XR)
	Class 331 :	OSCILLATORS
	331/74	COMBINED WITH PARTICULAR OUTPUT COUPLING
		NETWORK
2	331/77	(0 OR, 2 XR)

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	Class	331	:	OSCILLATORS
	331/74			COMBINED WITH PARTICULAR OUTPUT COUPLING
				NETWORK
	331/77			.Wave filter
2	331/78			(0 OR, 2 XR)
	Class	331	:	OSCILLATORS
	331/78			ELECTRICAL NOISE OR RANDOM WAVE GENERATOR
2	331/94.1			(0 OR, 2 XR)
	Class	331	:	OSCILLATORS
	331/94.1			MOLECULAR OR PARTICLE RESONANT TYPE (E.G., MASER)
2	332/104			(0 OR, 2 XR)
	Class	332	:	MODULATORS
	332/103			PHASE SHIFT KEYING MODULATOR OR QUADRATURE
				AMPLITUDE MODULATOR
	332/104			.Including logic element (e.g., logic gate or flip-flop)
2	332/112			(2 OR, 0 XR)
	Class	332	:	MODULATORS
	332/106			PULSE OR INTERRUPTED CONTINUOUS WAVE MODULATOR
	332/112			.Pulse position, frequency, phase, or spacing modulator
2	332/125			(1 OR, 1 XR)
	Class	332	:	MODULATORS
	332/117			FREQUENCY MODULATOR
	332/123			.Including stabilization or alternatively distortion, noise or other interference prevention, reduction, or compensation
	332/125			..Automatic amplitude stabilization or control
2	332/145			(0 OR, 2 XR)
	Class	332	:	MODULATORS
	332/144			PHASE MODULATOR
	332/145			.Including amplitude modulator
2	341/118			(1 OR, 1 XR)
	Class	341	:	CODED DATA GENERATION OR CONVERSION
	341/118			CONVERTER COMPENSATION
2	341/147			(1 OR, 1 XR)
	Class	341	:	CODED DATA GENERATION OR CONVERSION
	341/126			ANALOG TO OR FROM DIGITAL CONVERSION
	341/144			.Digital to analog conversion
	341/147			..Function generator
2	342/128			(1 OR, 1 XR)
	Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/118			DETERMINING DISTANCE
	342/128			.With frequency modulation
2	342/134			(0 OR, 2 XR)
	Class	342	:	COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/118			DETERMINING DISTANCE
	342/134			.With pulse modulation

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- 2 342/135 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/134 .With pulse modulation
 342/135 ..Digital (e.g., with counter)

- 2 342/173 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/173 .By monitoring

- 2 342/200 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/200 .For frequency modulation

- 2 342/204 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/202 .For pulse modulation
 342/204 ..With pulse shaping

- 2 342/27 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/27 PRESENCE DETECTION ONLY

- 2 348/732 (1 OR, 1 XR)
 Class 348 : TELEVISION
 348/725 RECEIVER CIRCUITRY
 348/731 .Tuning
 348/732 ..Search tuning

- 2 360/51 (2 OR, 0 XR)
 Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
 RETRIEVAL
 360/39 GENERAL PROCESSING OF A DIGITAL SIGNAL
 360/51 .Data clocking

- 2 360/61 (0 OR, 2 XR)
 Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
 RETRIEVAL
 360/55 GENERAL RECORDING OR REPRODUCING
 360/61 .Signal switching

- 2 370/337 (2 OR, 0 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/310 COMMUNICATION OVER FREE SPACE
 370/328 .Having a plurality of contiguous regions
 served by respective fixed stations
 370/329 ..Channel assignment
 370/336 ...Combining or distributing information via
 time channels
 370/337Multiple access (e.g., TDMA)

- 2 372/18 (1 OR, 1 XR)
 Class 372 : COHERENT LIGHT GENERATORS
 372/9 PARTICULAR BEAM CONTROL DEVICE

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372/18 .Mode locking

2 375/130 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/130 SPREAD SPECTRUM

2 375/140 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/130 SPREAD SPECTRUM
 375/140 .Direct sequence

2 375/147 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/130 SPREAD SPECTRUM
 375/140 .Direct sequence
 375/147 ..Receiver

2 375/274 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

 375/271 .Angle modulation
 375/272 ..Frequency shift keying
 375/274 ...Minimum shift keying

2 375/297 (2 OR, 0 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/296 .Antinoise or distortion (includes
 predistortion)
 375/297 ..Power amplifier

2 375/298 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/298 .Quadrature amplitude modulation

2 375/302 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 .Angle modulation

2 375/305 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 .Angle modulation
 375/303 ..Frequency shift keying
 375/305 ...Minimum shift keying

2 375/306 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 .Angle modulation
 375/303 ..Frequency shift keying
 375/306 ...One oscillator

2 375/307 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 .Angle modulation
 375/303 ..Frequency shift keying
 375/307 ...Two or more oscillators

- 2 375/316 (2 OR, 0 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
- 2 375/317 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/317 .Automatic baseline or threshold adjustment
- 2 375/324 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/322 .Angle modulation
 375/324 ..Particular demodulator
- 2 375/346 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/346 .Interference or noise reduction
- 2 375/350 (2 OR, 0 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/346 .Interference or noise reduction
 375/350 ..By filtering (e.g., digital)
- 2 375/367 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/362 .Frequency or phase control using synchronizing
 signal
 375/365 ..Synchronization word
 375/367 ...Pseudo noise
- 2 375/372 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction
 375/372 ..Elastic buffer
- 2 377/44 (0 OR, 2 XR)
 Class 377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
 SHIFT REGISTERS: CIRCUITS AND SYSTEMS
 377/27 SYSTEMS
 377/44 .Counter controlled counter
- 2 377/47 (1 OR, 1 XR)
 Class 377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
 SHIFT REGISTERS: CIRCUITS AND SYSTEMS
 377/27 SYSTEMS
 377/47 .Pulse multiplication or division
- 2 455/126 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/126 .With feedback of modulated output signal
- 2 455/164.2 (1 OR, 1 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,

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tuning)

- 455/161.1 ..Frequency scanning
 - 455/164.1 ...With automatic frequency control
 - 455/164.2Processor controlled (AFC)
- 2 455/182.1 (0 OR, 2 XR)
- Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/179.1 ..Channel or station selection
 - 455/182.1 ...With frequency control
- 2 455/192.3 (0 OR, 2 XR)
- Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/150.1 .Signal selection based on frequency (e.g., tuning)
 - 455/192.1 ..With frequency control
 - 455/192.3 ...Fine tuning
- 2 455/208 (0 OR, 2 XR)
- Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/205 .Frequency or phase modulation
 - 455/208 ..With synchronized or controlled local oscillator
- 2 455/226.1 (1 OR, 1 XR)
- Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/226.1 .Measuring or testing of receiver
- 2 455/264 (0 OR, 2 XR)
- Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/230 .Local control of receiver operation
 - 455/255 ..Local oscillator frequency control
 - 455/257 ...Automatic
 - 455/258Utilizing particular local oscillator control
 - 455/264Voltage control of oscillator
- 2 455/265 (1 OR, 1 XR)
- Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/230 .Local control of receiver operation
 - 455/255 ..Local oscillator frequency control
 - 455/257 ...Automatic
 - 455/265 ...With local oscillator synchronization or locking
- 2 455/3.02 (1 OR, 1 XR)
- Class 455 : TELECOMMUNICATIONS
 - 455/3.01 WIRELESS DISTRIBUTION SYSTEM
 - 455/3.02 .Receiver for satellite broadcast

- 2 455/304 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/296 .Noise or interference elimination
 455/303 ..Using plural separate signal paths
 455/304 ...Phase shift in at least one path
- 2 455/310 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/296 .Noise or interference elimination
 455/310 ..Internally generated noise or oscillations
- 2 455/42 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
 455/42 .Frequency or phase modulation
- 2 455/67.13 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
 455/67.11 .Having measuring, testing, or monitoring of
 system or part
 455/67.13 ..Noise, distortion, or unwanted signal
 detection (e.g., quality control, etc.)
- 2 455/75 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
 TRANSCEIVER)
 455/75 .With frequency stabilization (e.g., automatic
 frequency control)
- 2 455/77 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
 TRANSCEIVER)
 455/77 .With tuning
- 2 455/84 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
 TRANSCEIVER)
 455/84 .With a common signal processing stage
- 2 702/69 (1 OR, 1 XR)
 Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
 TESTING
 702/1 MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
 702/57 .Electrical signal parameter measurement system
 702/66 ..Waveform analysis
 702/69 ...Signal quality (e.g., timing jitter,
 distortion, signal-to-noise ratio)
- 2 702/75 (1 OR, 1 XR)
 Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
 TESTING
 702/1 MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT

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702/57      .Electrical signal parameter measurement system
702/66      ..Waveform analysis
702/75      ...Frequency

2  708/272      (0 OR, 2 XR)
    Class 708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                  AND CALCULATING
708/100      ELECTRICAL DIGITAL CALCULATING COMPUTER
708/200      .Particular function performed
708/270      ..Function generation
708/272      ...Memory used to store waveshape

2  725/68      (0 OR, 2 XR)
    Class 725 :  INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/63      SATELLITE VIDEO DISTRIBUTION SYSTEM
725/68      .Receiver

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ability 1
 above 5
 abstract 1
 accompanying 1
 accomplished 1
 accordance 2
 according 2
 achieved 2
 acquisition 1
 across 1
 adaptable 1
 added 1
 additional 1
 adjust 1
 adjustable 1
 adjusted 1
 adjusting 2
 advance 1
 advantages 2
 after 7
 against 1
 aircraft 1
 allows 2
 also 8
 alternative 1
 ambiguity 1
 among 2
 amplitude 1
 an 28
 analog 6
 and 112
 another 6
 antenna 2
 any 3
 aperture 4
 apparatus 1
 apparent 1
 appears 1
 appended 1
 application 1
 applications 2
 appreciated 2
 approach 5
 approaches 2
 appropriate 1
 arbitrary 1
 architecture 1
 arcsine 1
 are 14
 arrangement 3
 art 3
 artisan 2
 as 25
 asic 1
 assignee 1
 associated 7
 at 22
 attorney 2
 auxiliary 1
 available 1
 averaging 1
 azimuth 1
 background 2

band 2
 bandwidth 1
 base 4
 based 4
 be 39
 because 3
 become 1
 been 1
 before 9
 beginning 2
 begins 1
 being 1
 below 2
 benefit 2
 between 18
 block 5
 blocks 1
 board 1
 both 1
 break 2
 brief 1
 brown 1
 but 3
 by 35
 calculate 1
 calculated 1
 calibrated 2
 calibrating 5
 calibration 16
 calibrator 4
 can 1
 capable 1
 carrier 3
 cascaded 2
 caused 1
 certainly 1
 challenge 1
 change 2
 changing 1
 chip 1
 chirp 21
 chirps 1
 choice 1
 circuit 1
 circuits 3
 claims 1
 clock 2
 coarse 10
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